What Is Claimed Is:

1. An inner-rotor motor including a rotor having plural magnetic poles disposed circumferentially, and a stator having a stator core with plural magnetic pole teeth facing to the rotor, located outside a circumference of the rotor, which have coils each wound around thereof,

wherein numbers of turns of adjacent coils are unequal, and respective sums of the numbers of turns of the coils in respective phases are equal.

2. An inner-rotor motor according to Claim 1, wherein lengths of adjacent windings of the coils are unequal, and respective sums of the lengths of the windings corresponding to respective phases of the coils are equal.

3. An inner-rotor motor according to Claim 1, wherein at least one of points at which extensions of lines connecting base end centers and front end centers of the adjacent coils intersect is positioned on an opposite side to the coils with regard to a rotational center of the rotor.

4. An inner-rotor motor according to Claim 1, wherein the base end centers of the adjacent coils are placed with an equal spacing.

5. An inner-rotor motor according to Claim 1, wherein

the stator is placed within a central angel 180° with regard to a rotational center of the rotor.

6. An inner-rotor motor according to Claim 1, wherein the stator is provided with six of the coils.

7. A disk drive comprising the inner-rotor motor according to Claim 1.